

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0060] with the following replacement paragraph [0060].

[0060] In other words, a direct mathematical relationship is developed connecting the input values of the aberration coefficients and the resulting image profile shape or plot. These set-up image simulations are executed for any specific pattern and illumination distribution (e.g., defined criteria) which is desired to be used as a judgment or optimization metric during the lens adjustment process. In effect, the image profile itself in the absence of all aberrations is considered to be the basis image profile, and can be thought of in the form of a plot of optical energy (e.g., amplitude or intensity) versus position, as shown in FIG. 1a.